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0. Preface

Abstract

This user's manual covers the following topics :

- Product overview and the summary of it's features.
- Description of Front Panel and Rear Panel including the meaning of LED indicators, functions and usage of ports.
- Installation procedure and application

Package Contents

Carefully unpack the contents of the package and check if the following items are included:

- One ALH-508d Dual-speed hub
- Accessory container
  - One power cord
  - One external switching power adapter
  - 2 rubber stands
- This user's manual

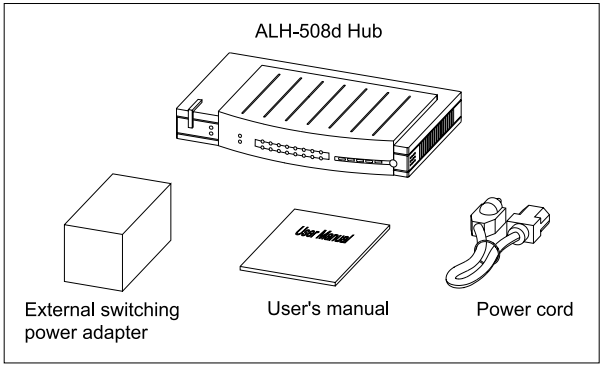

Figure 0. Product configuration of ALH-508d

Please contact your dealer immediately should there be any wrong, missing, or damaged parts. If possible, kindly keep the carton and the original packing materials to repack the product for repair or replacement.

1. Introduction

1.1 General Description

Thanks for your purchasing our products. Acer Netxus will keep on providing brand new technologies and high quality products to fulfill your need.

Acer ALH-508d 8-port 10/100Mbps Dual Speed Mini Hub offer a cost-effective solution to today's growing need of network speed integration. With efficient eight 10/100Mbps plug-and-play dual speed ports equipped in its compact hub, it is possible to achieve the coexistence of 10Mbps and 100Mbps devices in a single network now and step to 100Mbps network in the future. ALH-508ds dual-speed hub is further furnished with internal switch function, which combines both dual speed feature and network segmentation function together and progress to a higher level of network flexibility and efficiency.

Acer ALH-508d provides LED indicators for network status monitoring. With these indicators, the user can observe the network status very easily. This repeater hub will indicate the system power, networking collision, 100 Mbps, port link/RX.

With cost effective solution to upgrade the network bandwidth, ALH-508d dual-speed mini hub will be the best choice for your need.

1.1.1 Apply the ALH-508d to build a new network

With one ALH-508d, you can easily setup a new network with 10Mbps and 100Mbps.(See Figure 1.1.1)

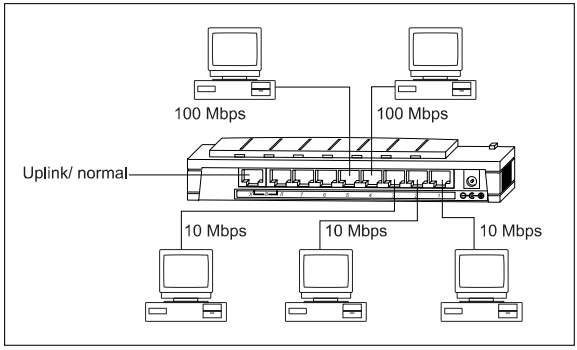

Figure 1.1.1 Application to setup a new network

1.1.2 Apply the ALH-508d to upgrade your Ethernet network

You can use the uplink port of the Ethernet hub to uplink to normal port of ALH-508d to upgrade some key network user from 10Mbps to 100Mbps by connect to ALH-508d and leave the others connect to the Ethernet hub segment.

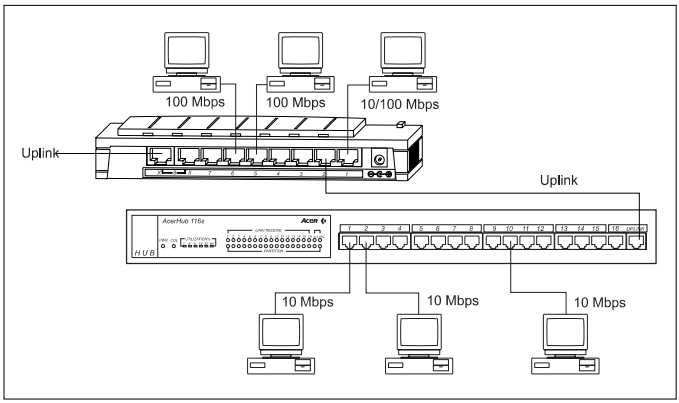

Figure 1.1.2 Application to upgrade your network

1.2 Features

- IEEE 802.3/802.3u Class I and II repeater compliant
  - Support 8 10BASE-T/100BASE-TX interface (RJ-45 phone jack)
  - Support 1 uplink port (RJ-45 phone jack)
- 10BASE-T/100BASE-TX auto speed detection
- Mini compact size
- One Uplink port to support uplink function
- Build-in switching function to connect 10 and 100Mbps network domains
- LED indicators
  - Global System Power LED
  - Global ACT built-in switch LED
  - Global 10 Mbps and 100 Mbps Network Collision LED
  - 100/10 Mbps LEDs for each port
  - Link/RX LEDs for each port
- Power supply
  - External switching power supply AC100-240V, 50-60Hz
- EMI: FCC Class A, CE Mark, VCCI-1, C-Tick
- Environment
  - Operating temperature: 0~50°C(32~122°F)
  - Operating Humidity: 20 to 80% non-condensing

2. LED Indicators and Ports Description

This chapter describes the function and usage of the LEDs in the front and rear panel.

2.1 Front Panel

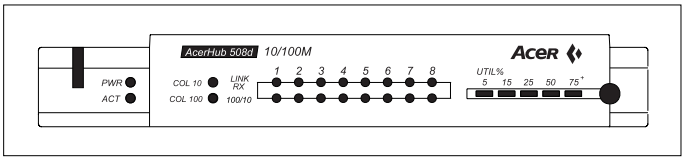

Figure 2.1 the front panel

2.1.1 LED indicators

The front panel LEDs will be lighted at the first few seconds for power-on diagnostic.

The naming and meaning of LED indicators is listed in the following:

- PWR

  Color : Green

  Function : Power good indicator

  This LED is located at the upper left corner of the front panel. It will be lighted up when the hub is power-on.

- ACT

  Color : Green

  Function : Build-in switching indicator

  This LED is located below the Power LED and indicates the built-in switch is active, and connection between 10Mbps and 100Mbps segments are exchangeable.

- COL 10
  Color : Yellow
  Function : Collision indicator

  It will flash when 10 Mbps segment network collision occurs.

- COL 100
  Color : Yellow
  Function : Collision indicator

  It will flash when 100 Mbps segment network collision occurs.

- LINK/RX
  Color : Green
  Function : Indicates if the port is linked to another port or receiving data

  The LINK LED is lighting on when the cable link between the Hub and the station is good. If the LED does not light on, it means the cable link is not established even when the cable is plugged into the RJ-45 phone jacks of the hub and adapter card. When this LED is flashing, it means the data is coming and the Hub will repeat it to all the ethernet ports. By this way, the data will be sending to the designated nodes and the Networking data processing is completed by the Hub.

- 100/10
  Color : Green
  Function : Indicates if the port is working at 100Mbps or 10Mbps

  The 100/10 LED is lighting on when the cable link between the 100Mbps Port is good.If the LED does not light on,it means the cable link is established on 10Mbps.

- UTIL%
  Color : Green for 5,15,25,50% and Yellow for 75+ %
  Function : Network utilization indicator

This indicator is designed for network traffic monitoring and the degree Of traffic is divided into 5 grades--5% ... 75+% are denoting the Percentage of bandwidth of the network is used and how the network Loading is.

The denotation of 75+% means the network bandwidth is used more than 75%.Simply speaking,if we treat the network bandwidth of 100Mbps to be 100%,then75+% does mean the network traffic occupy more than 75% network bandwidth for data transmitting or receiving.

2.1.2 100BASE-TX Twisted-Pair Port

The RJ-45 phone jacks are located in the front panel. They are designed for 10BASE-T/100BASE-TX Twister-Pair cable connection with UTP CAT 5 cables.

2.2 Rear panel

The rear panel includes one power connector, which accepts 100-240V AC, 50-60Hz power input.

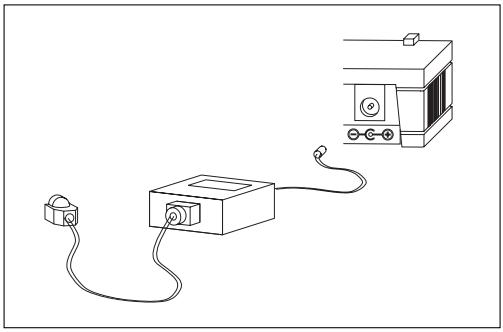

Figure 2.2.1 the rear panel

3. Quick Installation Guide

3.1 Unpack the product

Please unpack the product and make sure that contents are as list.
Please contact your dealer immediately should there be any wrong, missing, or damaged parts. If possible, kindly keep the carton and the original packing materials to repack the product for repair or replacement.

3.2 Power adapter connection

1. Plug the power cord into an AC outlet
2. Insert the output plug into the jack of ALH-508d.
3. Once both sides of power adapter are connected to the proper jack or outlet, the ALH-508d is powered on and ready for use.

3.3 Connect ALH-508d to PC

1. Insert one end of the UTP CAT 5 twisted-pair cable into the RJ-45 connector that is numbered from 1 to 8 port of ALH-508d. Please orient the cable correctly and push it into the connector until you hear a click. .
2. Please make sure that the maximum cable length from your computer to the hub does not exceed 100 meters.

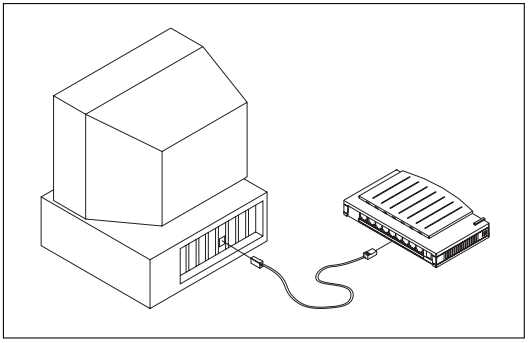

Figure 3.3 Connect ALH-508d to PC by UTP cable

A. Product Limited Warranty

Acer Netxus Incorporated (ANI) warrants its product to be free from defects in materials and workmanship, under normal use and service, for the following lengths of time from the date of purchase from ANI or its Authorized Resellers.

Network adapter card	Limited Lifetime
Unmanaged hub	*Limited Lifetime
Dual speed hub	*3 year
Switch and managed hub	*3 year

* Power supply/adapter and fans in these devices provide One year warranty

All products with limited lifetime warranty have a standard five-year warranty. This warranty does not cover the product if it is damaged by abuse, accident, misuse, improper installation, or improper testing. If a product does not operate as warranted during the applicable warranty period, ANI shall, at its option and expense, either repair the defective product or part returned to ANI, or deliver to customer an equivalent product or part to replace the defective item. Definitely, all products that are replaced will become the property of ANI. Replacement products may be new or reconditioned. Any replacement or repaired product or part has a ninety days warranty or the remainder of the initial warranty period, whichever is longer. ANI shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to ANI pursuant to any warranty. Before you obtain warranty service, you must request an RMA (Return Materials Authorization) number by calling, faxing or writing ANI's Customer Service Department at the numbers listed below. You must use the original container (or the equivalent) and pay the shipping charge.

ANI SHALL NOT BE HELD LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL OR RUNTIME DAMAGES OF ANY KIND; OR FOR LOSS OF REVENUE, LOSS OF BUSINESS, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF ANI OR ITS AUTHORIZED DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

	Model Name _____
	Series No. (S/N) _____
(Authorized distributors' or Resellers' Stamp)	Purchase Date _____/_____/_____

If you purchased this product in the UNITED STATES, some states do not allow the limitation or exclusion of liability for incidental consequential damages, so the above limitation may not apply to you.

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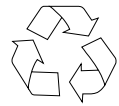

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